

## **Certificate of Analysis: Ginseng Dry Extract (0100410401)**

Botanical Nomenclature: Panax ginseng
Common name: Asian ginseng

Plant Part: Leaf

**Method:** BTM 715-0574

Analysis by: J.Mares, K.Montoya, K.Tran, M.Levine, N.Carson, N.Hoang, N.Afendikova, S. Kabbaj, S.Sudberg, L.Tang,

D.Robinson 185057

## **Results:**

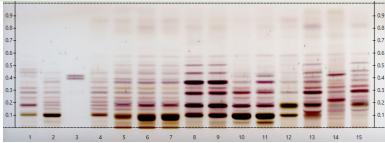
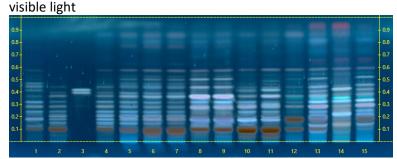


Plate Image 1: Derivatized with 10% Sulfuric acid Reagent,



**Plate Image 2:** Derivatized with 10% Sulfuric acid Reagent, UV 366 nm

Plate Images 1-2 Track Assignment				
Track	Sample	Part	Sample#	μL
1	Panax quinquefolius	root	USP lot F0F323	2
2	Panax ginseng	root	USP lot R116W	2
3	Ginsenoside Rf,	N/A	Sigma Aldrich	1
	Pseudoginsenoside		lot 118119843,	
	F11		lot BCCC6136	
4	Panax ginseng	root	22229FZJ_1	1
5	Panax ginseng	root	EA14015KAN1	2
6	Panax ginseng	root	EA30009CRB	2
7	Panax ginseng	root	19066XMZ	2
8	Panax notoginseng	root	19084ELA	2
9	Panax notoginseng	root	VE15305SWH	2
10	Panax quinquefolius	root	LA20508AHP4	2
11	Panax quinquefolius	root	LA14609CRB2	2
12	Panax ginseng	leaf	EA12308NTX	2
13	Panax ginseng	leaf	EA02518BTT1	2
14	Panax quinquefolius	leaf	LA08905BMX	2
15	Panax quinquefolius	leaf	LA10805BIN1	2

Report Date: 09/26/22

<u>Comments and Conclusions:</u> Lane 4 is the test sample Ginseng Dry Extract (0100410401). Lanes 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, are the reference samples used for comparison. This test sample, Ginseng Dry Extract (0100410401) is consistent with the chromatographic profile of the reference samples of Panax ginseng root. **This test sample Ginseng Dry Extract (0100410401) has characteristics of Panax ginseng root.** 

NOTE: The above conclusion may be a function of the natural variance found in botanicals &/or the extraction process used to create specific extracts. The growing and drying conditions, age, seasonal variations, geographic location, extraction solvents, etc. all play a role in the phytochemical fingerprint of botanicals as well as their extracts; hence, chromatographic variations are expected.

Examined, Reviewed & Authorized by: Sidney Sudberg, Chief Scientific Officer, Alkemist Labs

